VERS A R I B PA I NT SY S T E M

► GENERAL INFORMATION
The manner of application is to be a two-coat roll-coated system over a properly cleaned and pre-treated
substrate. The surface is to be streak-free, smooth and free of blisters and other imperfections.
VersaRib on coated steel conforms to ASTM A 755 and ASTM A 924.

► SUBSTRATE
The substrate is to be Hot-Dipped Galvanized per ASTM A 653 or Galvalume per ASTM A 792.

► FILM THICKNESS • ASTM D 1005
Topcoat finish consists of a primer with a dry film thickness of 0.20–0.30. Primary top coat shall have a dry film
thickness of 0.70–0.80 mil. The reverse side of the panel shall have a primer coat with a dry film thickness of
0.20–0.30 mil and a pigmented backer coat with a dry film thickness of 0.30–0.40 mil. Total topside dry film thick-
ness for the system shall be 0.90-1.10 mils. All measurements per accordance with ASTM D 1005.

► ABRASION RESISTANCE • ASTM D 968
Per ASTM D 968, Method A, VersaRib will pass 30 liters/mil, minimum of falling sand.

► BEND ADHESION • ASTM D 4145
Per ASTM D 4145, slight micro-cracking of finish and no loss of adhesion when taped with cellophane tape when
subjected to a 2T diameter 180° bend test on 26 gauge galvanized steel or fabricator’s roll forming operation not to
include zinc coating failures.

► CHALK RESISTANCE • ASTM D 4214
No chalking greater than 8 rating on vertical applications (7 rating on non-vertical applications) per ASTM D

► CHEMICAL RESISTANCE • ASTM D 1308
No significant color change after 24 hours exposure to 10% solutions of hydrochloric and sulfuric acids,
per ASTM D 1308, Procedure 6.2.

► CLEVELAND CONDENSING CABINET • ASTM D 4585
No blistering or white rust after 240 hours at 140°F, with a 15 minute dry off period every 6 hours,
per ASTM D 4585.

► COLOR CHANGE • ASTM D 2244
Finish coat color change not to exceed 7 Hunter units on vertical applications (6 rating on non-vertical applica-
tions) per ASTM D 2244 test procedure, after 2000 hour weatherometer test.

► CROSS-HATCH ADHESION • ASTM D 3359
No paint removal with cellophane tape after cross-scoring with eleven horizontal and eleven vertical lines 1/8”
apart per ASTM D 3359.

► CURE TEST • ASTM D 5402
VersaRib is to be oven baked to withstand 100 double rubs of an MEK soaked cloth before
exposing primer coat per ASTM D 5402.
VERSARIB PAIN SYSTEM

† DIRECT AND REVERSE IMPACT ADHESION • ASTM D 2794

No visible paint removal with cellophane tape after direct and reverse impact of 80-inch pounds, using 5/8" steel ball on a Gardner Impact Tester not to include zinc coating failures per ASTM D 2794.

† EXTERIOR WEATHERING • ASTM D 4141

Florida exposure (45° south) and EMMAQUA testing, per ASTM D 4141, Procedure C, both confirm satisfactory exposure characteristics of VersaRib.

† FLAME SPREAD RATE • ASTM E 84

VersaRib displays a flame spread classification of A (Class 1), when tested in accordance with ASTM E 84.

† HARDNESS • ASTM D 3363

Minimum pencil hardness is “F”, using Eagle Turquoise pencils ASTM D 3363.

† HUMIDITY RESISTANCE • ASTM D 2247

No blistering, cracking, peeling, loss of gloss or softening of the finish after 1000 hours of exposure to 100% humidity at 100°F ±5°F, per Federal Test Method Standard 141, Method 6201 or ASTM D 2247.

† KESTERNICH TEST • ASTM G 87

No significant color change after 10 cycles in an SO2 chamber (Kesternich Cabinet or equivalent), per ASTM G 87.

† SALT SPRAY RESISTANCE • ASTM B 117

Samples diagonally scored and subjected to 5% neutral salt spray per ASTM B 117, then taped with cellophane tape, 1000 hours no blistering, and no loss of adhesion greater than 1/8" from score line. Samples taped 1 hour after removal from test cabinet.

† SPECULAR GLOSS • ASTM D 523

Specular gloss is to be determined per ASTM D 523 at a glossmeter angle of 60°. VersaRib has a standard gloss range of approximately 30 to 40 gloss units but can be manufactured at a higher or lower range upon request.

† TOPSIDE COLOR • ASTM D 1729

VersaRib topside color is controlled by the use of an approved master standard, an approved Color Difference Meter or Spectrophotometer, and by a visual match under daylight conditions and horizontal light of a Macbeth Daylight booth per ASTM D 1729.

† WEATHEROMETER TEST • ASTM D 822

No checking, blistering, or adhesion loss of coating system after 2000 hours of accelerated weathering per ASTM D 822, ASTM G 152 and ASTM G 153.